

REMARKS

Claims 1-8 are pending in this application. Claims 1-8 stand rejected. By this Amendment, claims 1, 2, 4, 5, 7, and 8 have been amended. The amendments made to the claims do not alter the scope of these claims, nor have these amendments been made to define over the prior art. Rather, the amendments to the claims have been made to improve the form thereof. In light of the amendments and remarks set forth below, Applicant respectfully submits that each of the pending claims is in immediate condition for allowance.

Applicant filed an Information Disclosure Statement on May 29, 2003. That IDS has not been initialed and returned. Applicant respectfully requests that the Examiner consider the reference and return the initialed SB-08 form. For the Examiner's convenience, a copy of the SB-08 is included herewith.

Each of Applicant's claims stands rejected under 35 U.S.C. § 103(a). Applicant respectfully traverses this rejection. Each of Applicant's independent claims recites that the phase error is minimized by changing the transfer function at the sampling point. This feature is not shown in the cited references.

Transmission phase error is minimized by discretely changing the transfer function in the transmitting and reception sections of the radio communication system at the middle point between the pilot symbols sandwiching the data symbols, i.e., the sampling point. Transmission error is caused by the oversampling point, with respect to the pilot symbol sandwiching the data symbol, being different. This feature is neither disclosed nor suggested by any of the cited references.

Chalmers does not discuss the minimization of phase error by discretely changing the transfer functions in the transmitting and reception sections of the radio communication system by ensuring that the oversampling point coincides with the maximum eye pattern and changing the transfer function at the sampling point. As such, Applicant's claims are allowable over the cited references.

Applicant has responded to all of the rejections and objections recited in the Office Action. Reconsideration and a Notice of Allowance for all of the pending claims are therefore respectfully requested.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

Application No.: 09/389,289

Docket No.: S1905.0087/P087

If the Examiner believes an interview would be of assistance, the Examiner is welcome to contact the undersigned at the number listed below.

Dated: October 22, 2004

Respectfully submitted,

By 

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